NEEDED TOOLS & MATERIALS

TOOLS REQUIRED

- Tape Measure
- Level
- Hammer
- Screw Gun/Drill w/1/8" Drill Bit
- Circular Saw and Hand Saw
- Router (recommended) or Chisel Set
- Framing Square
- Putty Knife
- Caulking Gun

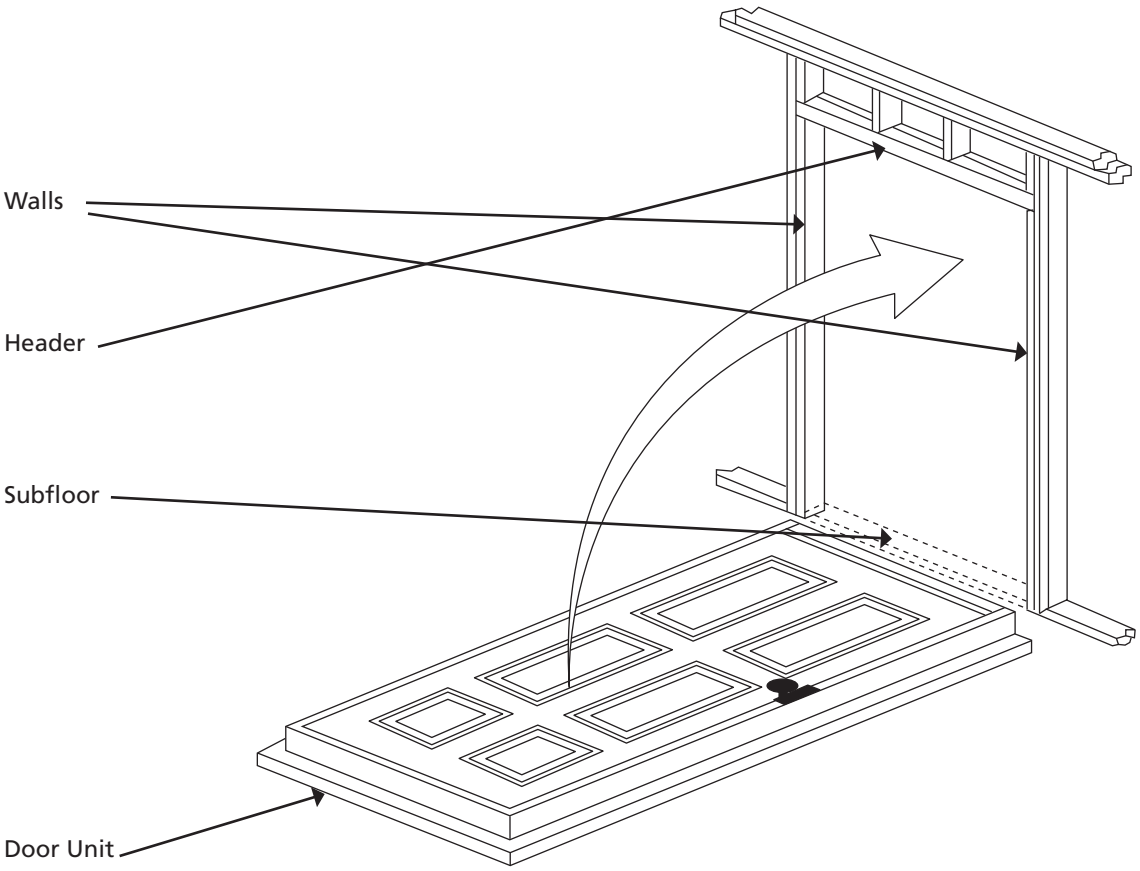
MATERIALS REQUIRED

- Caulking - high quality electrometric or polyurethane
- Wood shims
- 12 each #8 x 2" galvanized screws
- 8 each #8 x 2-1/2" galvanized screws
- Insulation material
- Safety glasses
- Wood putty

NOTE: READ ALL INSTRUCTIONS BEFORE STARTING.

PREPARING THE FRAME KIT FOR ASSEMBLY

Rough Opening Illustration



Preparing the Rough Opening

Is subfloor level and solid? Provide a flat, level, clean bearing surface so the sill may be caulked and sealed to the opening. Scrape, sand, or fill as required.

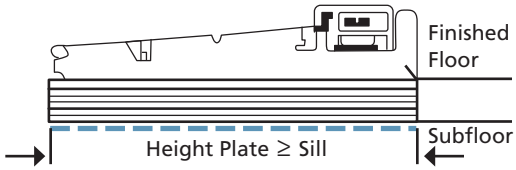
If a height plate is required to bring the sill up to the level of the floor covering: Be sure it is as wide as the sill and as long as the rough opening. *Note: Caulk thoroughly under height plate.*

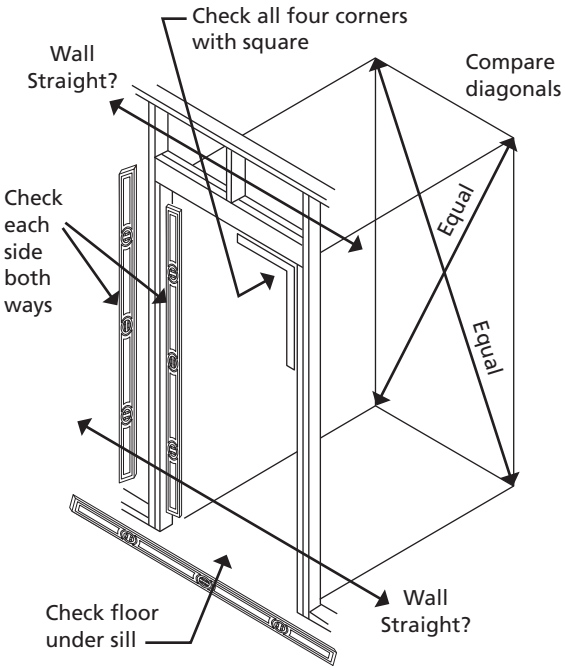
Is opening square? Check all corners with a framing square. Double-check by comparing diagonal measurements. *Fix any problems now.*

Are framing walls plumb? Use a level and check both sides of opening both ways. *Fix any problems now.*

Are the wall surfaces around the opening in the same plane? *Fix any problems now.*

Is the opening the correct size? Make sure the completed door unit will fit (height & width) in door opening. There should be approximately 1/2" clearance all the way around the door unit. *Fix any problems now.*





Preparing the Door Unit

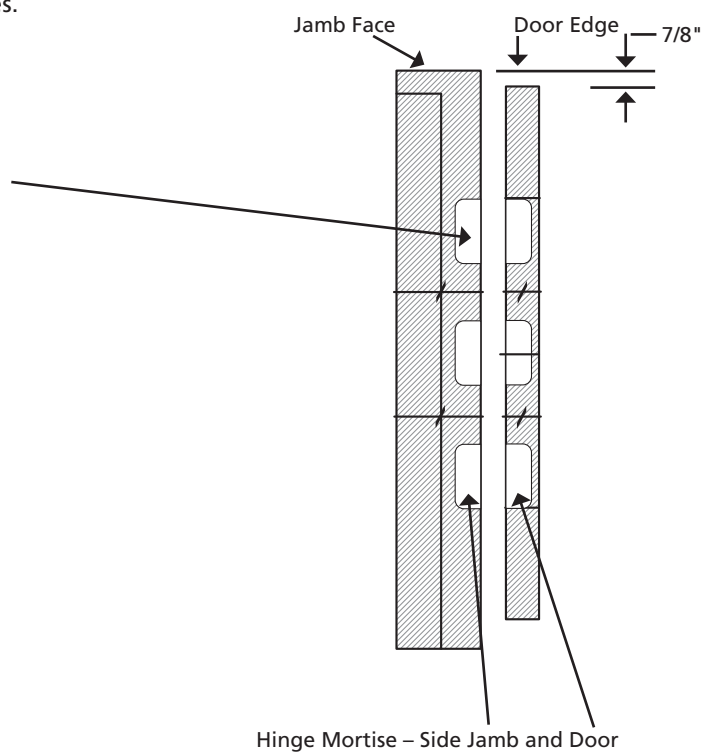
Determine the appropriate door swing and prepare for hinges.

Mortise for Hinges

Existing Door

If using an existing door with the hinges already installed, remove one hinge from the door and use it as a template to mark the jamb.

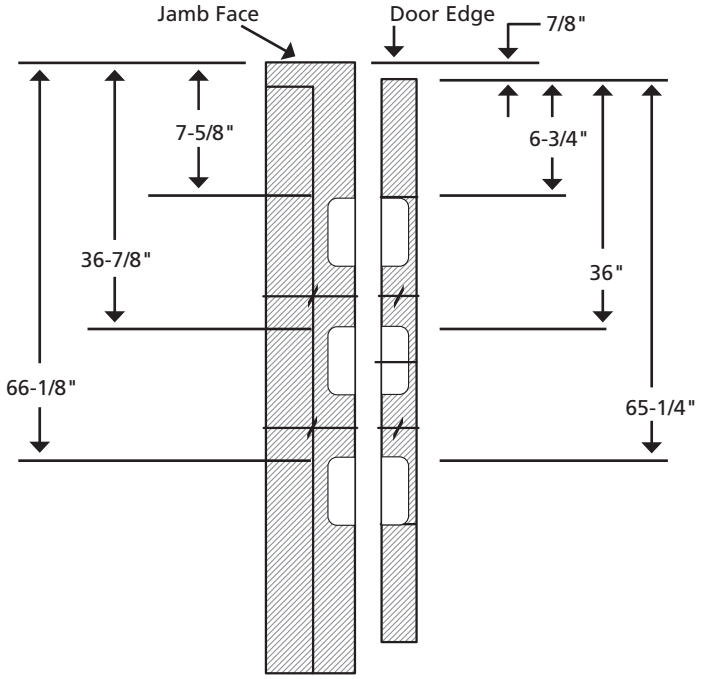
Lay the jamb next to the door so that the top of the jamb is 7/8" beyond the top of the door and mark side jamb for hinges.



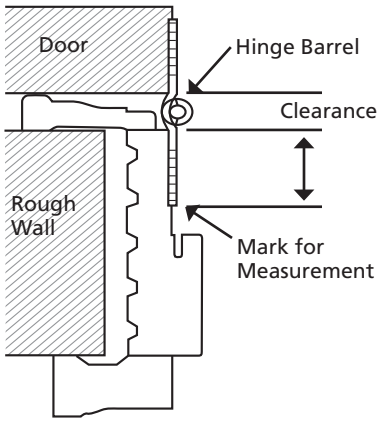
Mortise for Hinges

New Door

If using a new door and hinges, measure from the top of the jamb as illustrated.



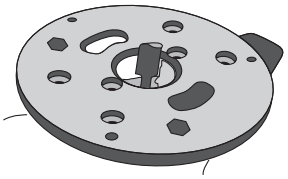
Place a hinge on the jamb between the marks. Make sure the barrel is out far enough so that the door can open without interfering with the trim. Mark the jamb at the edge of the hinge. Measure from the mark to the edge of the jamb. Use that measurement to mark for the remaining hinges.

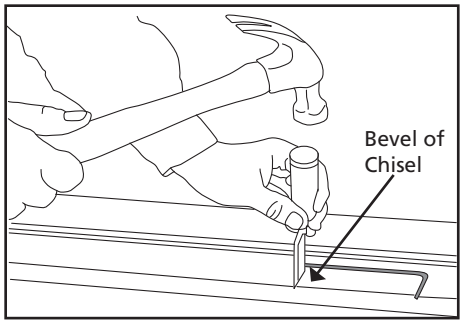


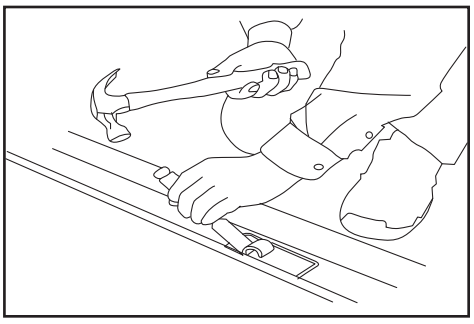
Use a router -or- hammer & chisel (Note: Make sure the chisel is very sharp) to created the hinge mortise.

Rout or chisel around the hinge outline.

Rout or chisel the hinge mortise the same depth as the hinge leaf thickness.

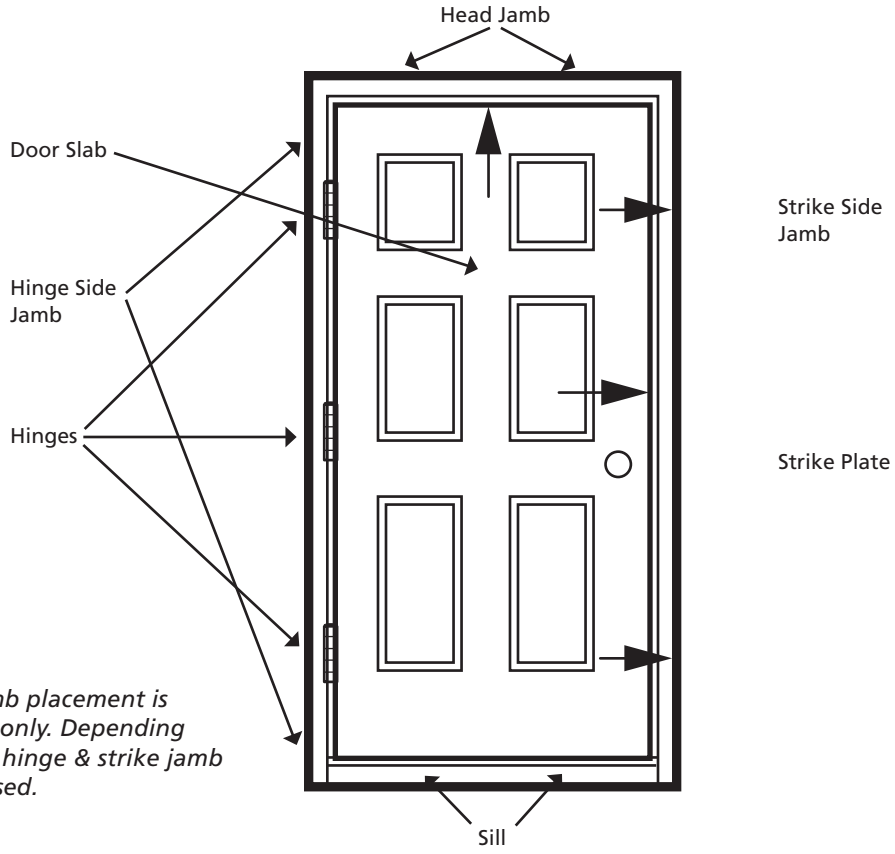






DOOR UNIT ASSEMBLY

Door Unit Illustration



Note: Hinge & Strike Jamb placement is for illustration purposes only. Depending upon the door in-swing, hinge & strike jamb placement may be reversed.

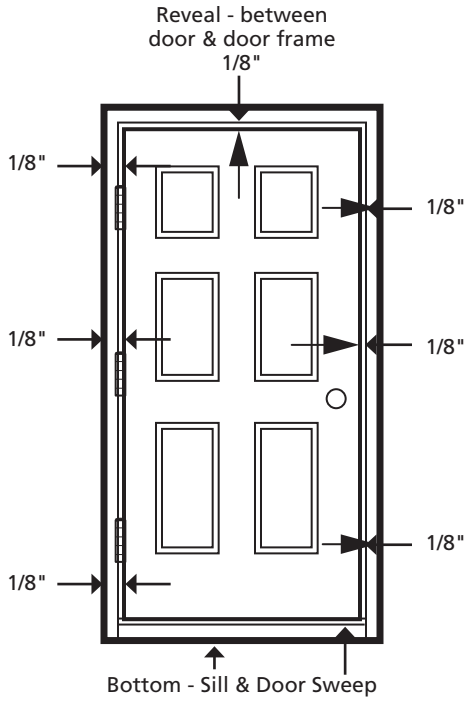
Frame Assembly Illustration

Most doors and door openings are not consistent in height and width. This frame kit is slightly oversized in order to accommodate for these variations.

The head jamb and sill should be cut (1/4" - no less) wider than the door width. The frame width should allow for (1/8" - no less) reveal.

Cut side jambs (1/8" - no less) for reveal at the top and make sure the length allows for the bottom door sweep to compress slightly on the sill for a weather-tight fit.

Note: Make sure the reveal is consistent all the way around the door to prevent sticking.

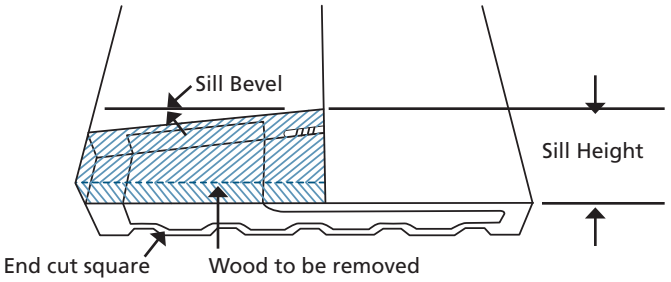


Preparing for Sill & Jamb Head

Preparing the Sill

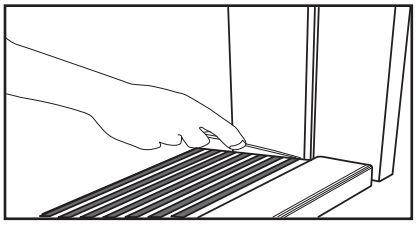
Note: The side jambs have been pre-cut to help assist in preparing the sill assembly. Depending upon the type of sill (purchased separately - or - existing sill) being used, modifications may have to be made. Cut the length of the side jambs (sill end) to properly fit the door height.

Cut the sill end of the side jambs for the appropriate length. To notch jamb for the sill, place the sill next to the jamb on a flat surface, making sure the interior face of the sill and jamb are in line. Using the sill as a guide, mark a line in the jamb. Remove the material below the line and flush with wider part of the jamb as illustrated.



Preparing the Head Jamb

The side jambs have been pre-cut for easy assembly of head jamb. Cut head jamb (1/4" - no less) wider the than door width.



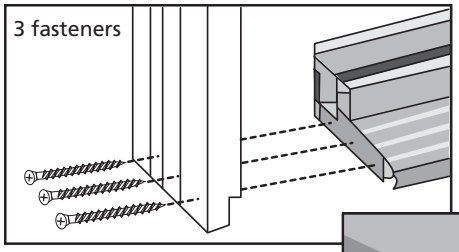
Following the sill profile, mark a line in the jamb

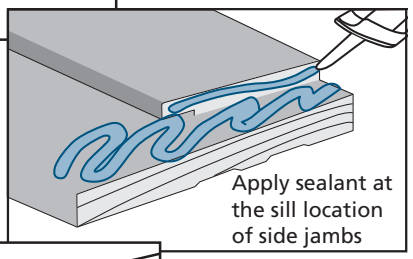
Sill & Jamb Head Assembly

Sill

Pre-drill the side jambs into the sill and apply sealant to the bottom of the side jambs where the sill is to be attached (as illustrated).

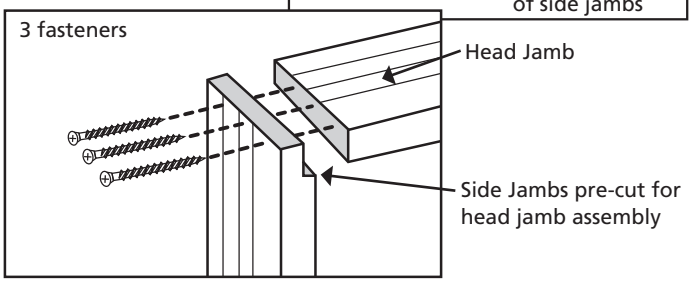
Attach the side jambs to the sill with #8 x 2" galvanized screws (as illustrated).





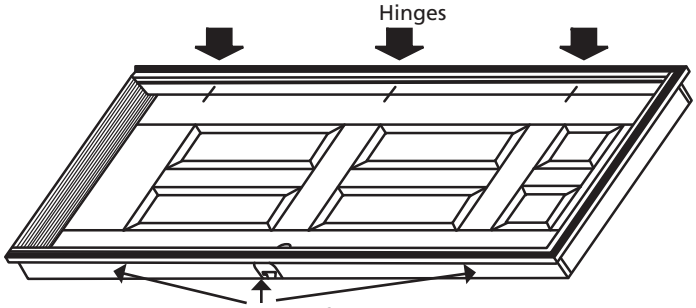
Head Jamb

Pre-drill and use #8 x 2" galvanized screws to attach the side jambs to the head jamb (as illustrated).



Hinges

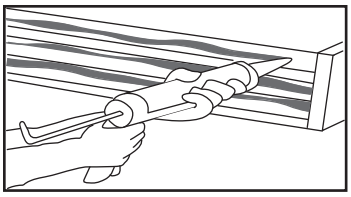
Lay assembled frame unit down on level surface and attach the door to the frame with the hinges. **Temporarily** secure the strike side of the jamb (shim) to the door so that it remains in place.



Shim the strike side to the door for installation

DOOR UNIT INSTALLATION

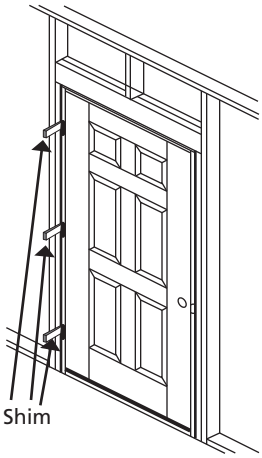
Apply three or more continuous beads of caulking to the bottom of the sill and side jambs.



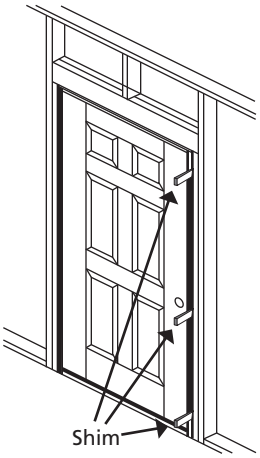
Place Door Unit in Rough Opening and Shim in Place

On hinge jamb, shim behind each hinge and check to ensure the door unit is plumb, level, and square.

On strike jamb, shim the top and bottom and behind the lock set location. Check to ensure the door unit is plumb, level, and square.



Hinge Jamb



Strike Jamb

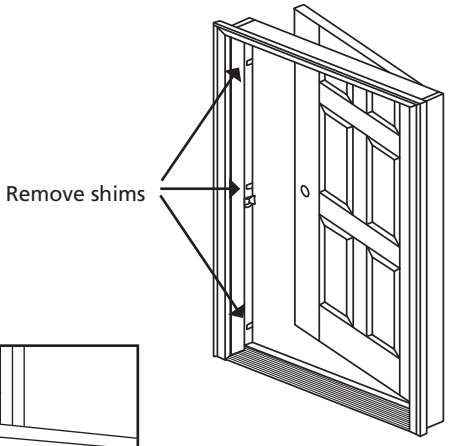
Secure Door Unit to Rough Opening

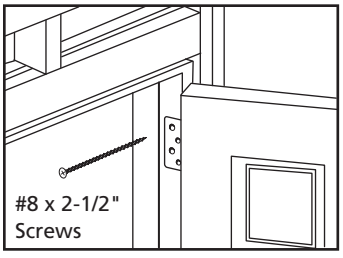
Remove temporary strike jamb shims so the door will open freely.

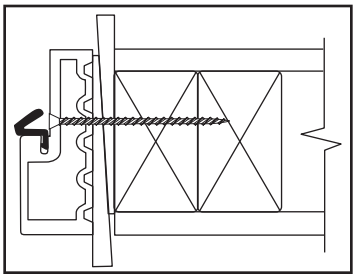
Remove the top screw from each hinge. Pre-drill and replace with a #8 x 2-1/2" screw. These screws will run through hinge jamb, shim, and into the rough stud (as illustrated).

Strike jamb, pre-drill pilot holes at the top and bottom shim locations. Hide screw locations behind the weatherstrip (as illustrated).

Check the door unit for consistent dimensions between the frame and door. Add screws if need for support and reveal consistency. Check weatherstrip contact to make sure the door surface has equal pressure around the whole door. Make the necessary adjustments.





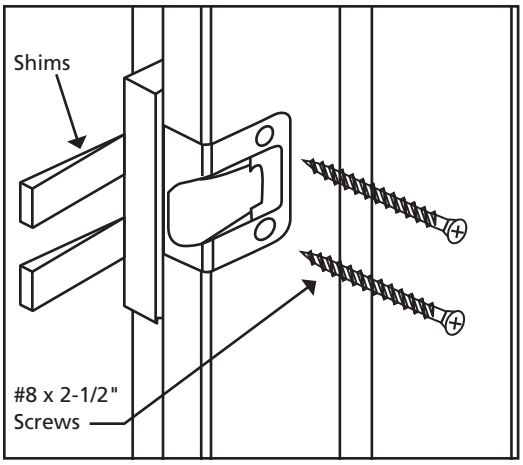


Prepare and Install Lockset Hardware

There are many types and varieties of lockset hardware available. Prepare the strike jamb for the chosen lockset.

Drill pilot holes and secure strike plate with two #8 x 2-1/2" screws through strike jamb, shims, and into rough stud.

Adjust strike in or out for proper door operation.



Insulate

Insulate around edges of the door frame with loosely packed fiberglass insulation or low expansion foam.

Finishing

For a Natural Wood Finish - apply stain with an exterior grade clear coat sealant.

- or -

For a Painted Finish - apply an exterior grade latex paint.

For Exterior Trim:
Purchase our AuraLast Brickmould Kit.

Please visit www.jeld-wen.com/resources for warranty and care and maintenance information.

Thank you for choosing

JELD-WEN WINDOWS & DOORS

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